

cite?

Aref or
Bref[First Hit](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

Generate Collection

Print

L26: Entry 3 of 6

File: JPAB

Oct 9, 2002

PUB-NO: JP02002294301A

DOCUMENT-IDENTIFIER: JP 2002294301 A

TITLE: FINE METALLIC PARTICLE, METHOD FOR PRODUCING THE FINE PARTICLE, COATING
SOLUTION FOR FORMING TRANSPARENT ELECTRICALLY CONDUCTIVE FILM CONTAINING THE FINE
PARTICLE, BASE MATERIAL FITTED WITH TRANSPARENT ELECTRICALLY CONDUCTIVE FILM AND
DISPLAY

PUBN-DATE: October 9, 2002

INVENTOR-INFORMATION:

NAME

COUNTRY

ISHIHARA, YOICHI

HIRAI, TOSHIHARU

ASSIGNEE-INFORMATION:

NAME

COUNTRY

CATALYSTS & CHEM IND CO LTD

APPL-NO: JP2001100356

APPL-DATE: March 30, 2001

INT-CL (IPC): B22 F 1/00; B22 F 9/24; B32 B 15/04; B32 B 15/18; C09 D 1/00; C09 D
5/02; C09 D 5/24; G02 F 1/1333; H01 B 1/00; H01 B 1/02; H01 B 1/22; H01 B 5/14; H01
B 13/00; H01 J 29/88

ABSTRACT:

PROBLEM TO BE SOLVED: To provide fine metallic particles which can suitably be used for the formation of a transparent electrically conductive film having a low surface resistance of about 10² to 10⁴Ω/(square), having excellent antistatic effect, reflection preventability and electromagnetic shielding properties, and further having excellent reliability and durability, and a method for producing the metallic fine particles.

SOLUTION: The fine metallic particles consist of iron and metal other than iron. The average particle size lies in the range of 1 to 200 nm, and the content of iron lies in the range of 0.1 to 3.0 wt.%. As the metal other than iron, one or more kinds of metals selected from the groups consisting of Au, Ag, Pd, Pt, Rh, Cu, Ni, Co, Sn, Ti, In, Al, Ta, Sb and Ru are preferably used. A part of the surfaces of the metallic fine particles can consists of oxide and/or hydroxide.

COPYRIGHT: (C)2002,JPO

[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

h e b b g e e f c e h

e ge